

M 6.2, GUATEMALA

Origin Time: Sun 2009-05-03 16:21:47 UTC

Location: 14.58°N 91.15°W Depth: 126 km

PAGER Version 3

Created: 23 hrs, 5 mins after earthquake

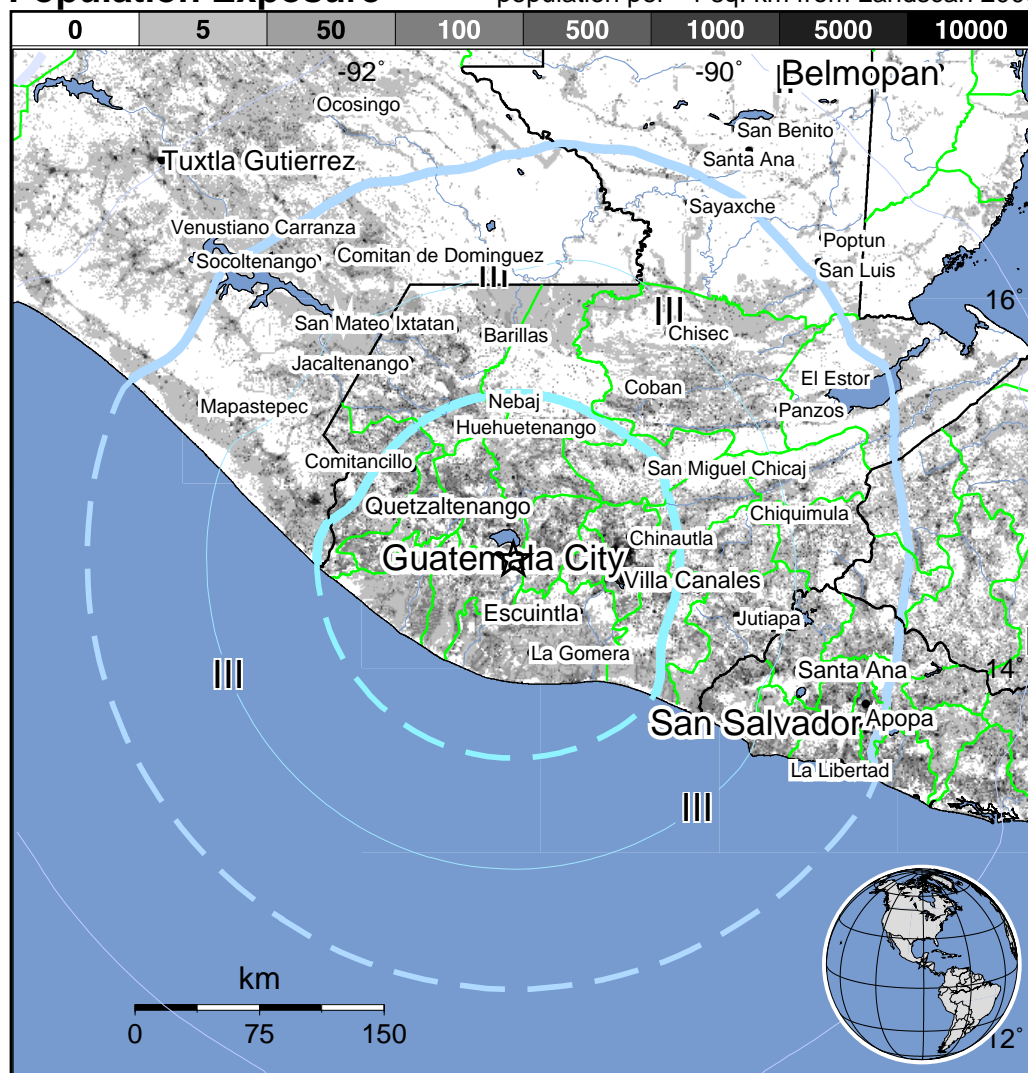
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		0*	15,399k*	8,269k	6k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	none	none	none	V. Light	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per ~1 sq. km from Landsat 2006

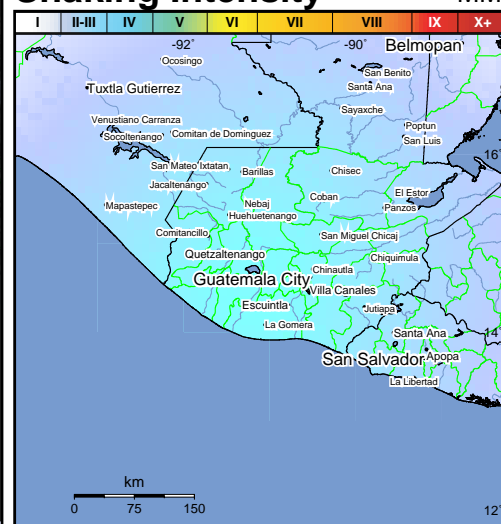


Selected City Exposure

MMI City	Population
IV Villa Nueva	406k
IV Petapa	141k
IV Villa Canales	122k
IV Amatitlan	71k
IV Guatemala City	994k
IV Mixco	473k
III Tapachula	197k
III San Salvador	525k
III Soyapango	329k
II Tuxtla Gutierrez	481k
II Belmopan	13k

bold cities appear on map (k = x1000)

Shaking Intensity



Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though some resistant structures exist. A magnitude 6.2 earthquake occurred in the Guatemala region 24 km east of the location of this earthquake on September 18, 1991 (UTC), with estimated population exposures of 9,000 at intensity IX or greater and 78,000 at intensity VIII, resulting in an estimated 25 fatalities. On February 4, 1976 (UTC), a magnitude 7.5 earthquake occurred near the Guatemala region 226 km east of the location of this earthquake, with estimated population exposures of 80,000 at intensity IX or greater and 1,017,000 at intensity VIII, resulting in an estimated 22,778 fatalities. Recent earthquakes in this area have caused landslides that may have contributed to losses.

This information was automatically generated and has not been reviewed by a seismologist.

<http://earthquake.usgs.gov/pager>

Event ID: us2009geat